21 Griffin Rd. North
Windsor, CT 06095

T 860.298.9692
TRCcompanies.com

June 15, 2020

Mr. Adam Fox, P.E.
Principal Engineer
Environmental Compliance Section
Bureau of Engineering and Construction
State of Connecticut Department of Transportation
2800 Berlin Turnpike, P.O. Box 317546
Newington, CT 06131-7546

Attention: Amie Maines, P.E. / Ronnie Vella

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance
Agreement No.: 8.07-01 (18)
HazMat Inspection – Bridge No. 01659, SR 712 over Housatonic River, Derby/Shelton, CT
ConnDOT Assignment No. 519-6060
ConnDOT Project No. 126-174
TRC Project No. 289951.6060.0710

Dear Mr. Fox:

TRC performed a limited survey for hazardous building materials associated with the rehabilitation of Bridge No. 01659, SR 712 over the Housatonic River in Derby/Shelton, Connecticut. Bridge No. 01659 is constructed entirely of unpainted concrete except for a small portion on the NE corner which had some grey graffiti cover-up paint that had non-detectable levels of lead. Since the paint had non-detectable levels of lead, any paint waste would be non-hazardous, non-RCRA waste. White fence caulk, light grey pipe packing, grey fibrous pipe insulation with tar coating, black tar in bridge wall and black sidewalk tar were sampled and found to contain no detectable levels of asbestos. Potential universal waste (UW) (LED light poles with printed circuit boards) was identified on the topside of the bridge. No bird/pigeon guano accumulations or bloodborne pathogen concerns were identified at Bridge No. 01659.

Associated laboratory data, TRC Mobile Data Solutions reports, project description and project site map are attached.

If you have any questions, please call TRC at (860) 298-9692.

Very Truly Yours,

TRC

Stephen R. Arienti, CHMM
Senior Project Scientist – Program Manager

Reviewed By

Erik R. Plimpton, P.E., CHMM, CMC
Vice President – Engineer in Charge

Lead Based Paint Measurement Summary Table

Device(s): Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer
Site: ConnDOT - Bridge No. 01659, Derby/Shelton, CT
Project # : 289951.6060.0710
Date(s): 9/4/2019
Inspectors: Brendan McClure

Number	Interior/ Exterior	Location	Bridge No.	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm^2)	Precision (mg/cm^2)	Depth Index	Duration (sec)	Date/Time
1			Self Calibration										205.3	9/4/2019 9:48
2			3.6 Calibration							3.5	0.3	1.3	3.6	9/4/2019 9:51
3			1.6 Calibration							1.4	0.1	1.1	4.5	9/4/2019 9:51
4			0.3 Calibration							0.3	0.1	1.1	5.8	9/4/2019 9:52
5	Exterior	Derby/Shelton	Bridge No. 01659		Parapet Wall Fascia	Graffiti Cover-up	Concrete	Grey	Intact	0.0	0.0	1.0	0.6	9/4/2019 10:18
6	Exterior	Derby/Shelton	Bridge No. 01659		Parapet Wall Fascia	Graffiti Cover-up	Concrete	Grey	Intact	0.0	0.0	1.0	3.6	9/4/2019 10:19
7	Exterior	Derby/Shelton	Bridge No. 01659		Parapet Wall Fascia	Graffiti Cover-up	Concrete	Grey	Intact	0.0	0.0	1.0	4.0	9/4/2019 10:19
8	Exterior	Derby/Shelton	Bridge No. 01659		Parapet Wall Fascia	Graffiti Cover-up	Concrete	Grey	Intact	0.0	0.0	1.0	1.7	9/4/2019 10:20
9	Exterior	Derby/Shelton	Bridge No. 01659		Parapet Wall Fascia	Graffiti Cover-up	Concrete	Grey	Intact	0.0	0.0	1.0	3.9	9/4/2019 10:21
10			3.6 Calibration							3.5	0.3	1.3	3.5	9/4/2019 10:52
11			1.6 Calibration							1.6	0.2	1.2	3.4	9/4/2019 10:53
12			0.3 Calibration							0.3	0.1	1.0	5.7	9/4/2019 10:53

Lead paint includes paint found to contain **any detectable** amount of lead
by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).

Side A = Street side; Sides B,C,D follow clockwise

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Client: Mr. Stephen Arienti
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET# 0060383

Report Date:June 15, 2020
Project: CTDOT, Bridge 01659, Derby
Project Number: 289951.6060.0710

Connecticut Laboratory Certificate: PH 0116
Massachusetts Laboratory Certificate: M-CT903
Rhode Island Laboratory Certificate: 199

New York NELAP Accreditation: 11982
Pennsylvania Certificate: 68-02927

SAMPLE SUMMARY

The sample(s) were received at 24.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
Bridge 01659 Derby	0060383-01	Paint Chip	6/12/2020 10:58	06/12/2020

Analyte: Total Lead [EPA 6010C] **Analyst: EAS**

Prep: EPA 3051A **Matrix: Paint Chip**

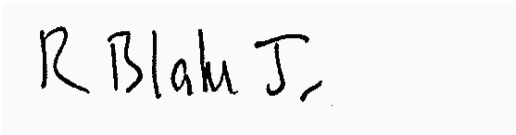
Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
0060383-01	Bridge 01659 Derby	ND	0.10	%	1	B0F1249	06/12/2020	06/15/2020 11:33	

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

David Ditta
Laboratory Director

This technical report was reviewed by Robert Blake



Project Manager

Report Comments:

Sample Result Flags:
E- The result is estimated, above the calibration range.
H- The surrogate recovery is above the control limits.
L- The surrogate recovery is below the control limits.
B- The compound was detected in the laboratory blank.
P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
+- The Surrogate was diluted out.
*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit
Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
All analyses were performed in house unless a Reference Laboratory is listed.
Samples will be disposed of 30 days after the report date.

CET # : 0060383
Project: CTDOT, Bridge 01659, Derby
Project Number: 289951.6060.0710

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 6010C in Solid	
Lead	CT,NY,PA

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2020
NY	New York Certification (NELAC)	11982	04/01/2021
PA	Pennsylvania DEP	68-02927	05/31/2020

0060383

CET

COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

Volatile Soils Only:
Date and Time in Freezer
Client:
CET:

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cetservices@cetlabs.com
e-mail: bottleorders@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking Water, C=Cassette, Solid, Wipe, Other (Specify)

Sample ID/Sample Depths (include Units for any sample depths provided)	Collection Date/Time	Matrix	Turnaround Time ** (check one): Same Day *	Next Day *	Two Day *	Three Day *	Std (5-7 Days)	8260 CT List	8260 Aromatics	8260 Halogens	CT ETPH	8270 CT List	8270 PNAs	PCBs ☐ SOX ☐ ASE	Pesticides	Metals: 8 RCRA	13 Priority Poll	15 CT DEP	Total (10 only)	SPLP	TCLP	Dissolved	Field Filtered	Lab to Filter	Additional Analysis	TOTAL # OF CONT.	NOTE #
1 Bridge 01659 Derby	6/18/20 10:58	Paint chip		✓															✓								

PRESERVATIVE (Cl–HCl, N–HNO_3, S–H_2SO_4, Na–NaOH, C=Cool, O–Other) None

CONTAINER TYPE (P–Plastic, G–Glass, V–Vial, O–Other) Bag

Soil VOCs Only (M=MeOH B=Sodium Bisulfate W=Water F=Empty Vial E=Encore)

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
	6/18/20 1112	
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:

NOTES:

Client / Reporting Information

Company Name: TRC Environmental
Address: 21 Griffin Rd N
City: Windsor State: CT Zip: 06095
Report To: Steve Asienti E-mail: SAsienti@TRCCompanies.com
Phone # Fax #

Project Information

Project: ConnDOT PO #:
Location: Bridge 01659 Derby Project #: 289951.6060.0010
CET Quote # Collector(s): Mike Stewart

QA/QC ☐ Std ☐ Site Specific (MS/MSD) * ☐ RCP Pkg * ☐ DQAW *

Data Report ☐ PDF ☐ EDD - Specify Format Other

RSR Reporting Limits (check one) ☐ GA ☐ GB ☐ SWP ☐ Other

Laboratory Certification Needed (check one) ☐ CT ☐ NY ☐ RI ☐ MA ☐ PA

Temp Upon Receipt 21.0 °C Evidence of Cooling: Y (N)

PAGE OF

REV. 12/18

*** Additional charge may apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day. All samples picked up by courier service will be considered next business day receipt for TAT purposes.**

TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009
Supersede Previous Edition

LAB ID #. 541960

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
289951.6060.0710	ConnDOT — Bridge 01659, Bridge St, Shelton, CT		PLM: 8hr 24hr ✓ 48hr 3day TEM: 24hr ✓ 48hr 3day 5day
SIGNATURE Brendan McClure	INSPECTOR Brendan McClure,Nick Selvo,Tyler Noll		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
1	9/4/2019	10:41		X	West side of bridge	X				X	C1 - White fence caulk
2	9/4/2019	10:53		X	East end of bridge	X					C1 - White fence caulk
3	9/4/2019	10:26		X	East end of bridge	X					FP1 - Light grey ~~flu~~ packing
4	9/4/2019	10:26		X	East end of bridge	X					FP1 - Light grey ~~flu~~ packing
5	9/4/2019	10:29		X	East end of bridge	X				X	PI1 - Grey fibrous pipe insulation with black tar-like top layer
6	9/4/2019	10:30		X	East end of bridge	X					PI1 - Grey fibrous pipe insulation with black tar-like top layer
7	9/4/2019	10:38		X	East end of bridge	X					PI1 - Grey fibrous pipe insulation with black tar-like top layer
8	9/4/2019	10:24		X	South bridge wall	X				X	T 1 - Black tar in bridge wall
9	9/4/2019	10:25		X	North bridge wall	X					T 1 - Black tar in bridge wall
10	9/4/2019	11:00		X	North side sidewalk	X				X	T 2 - Black sidewalk tar
11	9/4/2019	11:00		X	North side of sidewalk	X					T 2 - Black sidewalk tar

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Brendan McClure	9/4/19	9/4/19			
(Printed) Brendan McClure	Time: 13:00	(Printed) 1300	(Printed)	Time:	(Printed)

Remarks:

Condition of Samples:
Acceptable: Yes ✓ No
Comments:

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

TRC
Results you can rely on

BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Transportation

Lab Log #: 0054196
Project #: 289951.6060.0710
Date Received: 09/04/2019
Date Analyzed: 09/05/2019

Site: Bridge 01659, Bridge Street, Shelton, CT

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials		Asbestos %	Asbestos Type
1	White (fence caulk)	Yes	No	- -		- - -	ND	None
2	White (fence caulk)	Yes	No	- -		- - -	ND	None
3	Light Grey/Tan (packing)	Yes	No	- -		- - -	ND	None
4	Light Grey/Tan (packing)	Yes	No	- -		- - -	ND	None
5	Grey/Black (pipe insulation)	Yes	No	- -	40%	synthetic fiber	ND	None
6	Grey/Black (pipe insulation)	Yes	No	- -	40%	synthetic fiber	ND	None
7	Grey/Black (pipe insulation)	Yes	No	- -	40%	synthetic fiber	ND	None
8	Black (tar)	Yes	No	- -		- - -	ND	None
9	Black (tar)	Yes	No	- -		- - -	ND	None
10	Black (sidewalk tar)	Yes	No	- -	3% 3%	cellulose fibrous glass	ND	None
11	Black (sidewalk tar)	Yes	No	- -	3% 3%	cellulose fibrous glass	ND	None

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

TRC
Results you can rely on

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type

Reporting limit- asbestos present at 1%
ND - asbestos was not detected
Trace - asbestos was observed at level of less than 1%
NA/PS - Not Analyzed / Positive Stop
SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2019. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2019. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: Cathryn Lemire, Laboratory Analyst

Reviewed by: Kathleen Williamson, Laboratory Manager

Date Issued
09/05/2019

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000411
RI #AAL-007 TX #300354 VT #AL014538 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907
CO# AL-15020 PHIL# 461 PA#68-03387

Proscience Analytical Services, Inc.

NT 17988

22 Cummings Park, Woburn, MA 01801 Ph. 781-935-3212 Fax 781-932-4857

TEM Bulk Chain of Custody Record

Date: 09/05/19

PO#: **C289951** Analysis Type: Chatfield **EPA N.O.B** Qualitative

Client: TRC

Client Job#: 289951.6060.0710

Client Job Ref./Loc.: CTDOT- Bridge 01659, Bridge Street, Shelton, CT

Relinquished by: C. Lemire- CLemire@trccompanies.com

Received by: Pamela Leavitt-Cole 9/6/19 10:25

Report to: E. Plimpton- EPlimpton@trccompanies.com & SArienti@trccompanies.com

Samplers Name: B. McClure

Turnaround Time: <12 Hour <24 Hour **<48 Hour** <3 Day 5 Day Other:

				For Lab Use Only	
Client ID #	**Lab ID#**	**Description**	**Location**	**Acceptable on Receipt**	**Comments**
1	54196	Caulk	See COC		
5	54196	Tar-like Insulation			
8	54196	Tar			
10	54196	Tar			

For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported	Comments

ProScience Analytical Services, Inc.

22 Cummings Park, Woburn, Massachusetts 01801
781-935-3212 ~ Fax: 781-932-4857 ~ E-Mail general@proscience.net

Laboratory Report

Client Project #: 289951.6060.0710
Client Reference: CT DOT - Bridge 01659, Bridge Street, Shelton, CT
PO #: C289951
Client #: 297
Client Name: TRC Companies, Inc. (CT)

Batch: **NT 17988**
Method: NOB
Date Received: 9/6/2019
Date Analyzed: 9/9/2019
Date of Report: 9/10/2019

LAB ID	Field ID	Description:	Color	Initial Weight	% Asbestos Types						% Other	%	%	Total %	Analyzed /	Preped /
					CHR	AMO	ACT	CRO	ANT	TRE	Non-asb.	Organic	Carb.	Asbestos	Charged	Charged
NT135500	1	White Fence Caulk		.2187	.00	.00	.00	.00	.00	.00	25.97	57.29	16.74	**ND**	Yes	No
NT135501	5	Grey Fibrous Pipe Insulation with Black Tar-like Top Layer		.2232	.00	.00	.00	.00	.00	.00	3.45	89.87	6.68	**ND**	Yes	No
NT135502	8	Black Tar		.3954	.00	.00	.00	.00	.00	.00	1.65	97.52	.83	**ND**	Yes	No
NT135503	10	Black Sidewalk Tar		.5118	.00	.00	.00	.00	.00	.00	5.97	90.88	3.15	**ND**	Yes	No

Comments:

Key: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite TR = Trace = < 1% ND = None Detected

Aimee L Cormier

Aimee Cormier, Analyst

SHEET NO. 1 OF 1

PROJECT NO. 289951.6060.0710

DATE 9-4-19

BY Brendan McClure

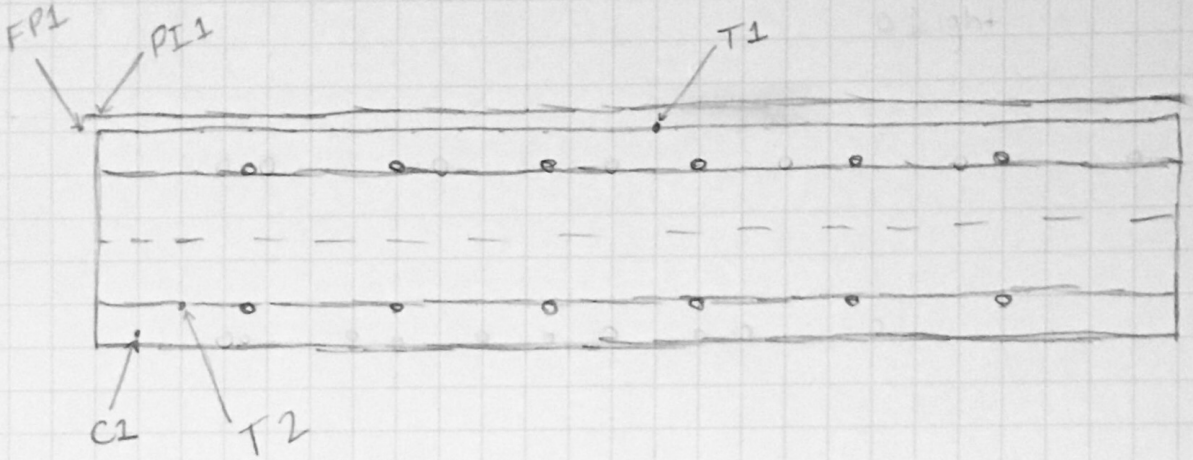
CHK'D

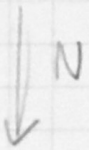
SUBJECT Bridge 01659

□ = 10 ft

○ = Light Poles

* Birds eye view





A

ConnDOT, Bridge 01659, Fairfield, , Shelton, 06484, CT, US, Bridge St,

Created	2019-09-04 10:07:28 EDT by Brendan McClure
Updated	2020-06-15 06:12:16 EDT by Stephen Arienti
Location	41.3189237751452, -73.0913479161198
Status	Survey Complete

Job Information

Site Name	Bridge 01659
Address	Bridge St Shelton, CT 06484
TRC Project Number	289951.6060.0710
Project Manager	Erik Plimpton
Inspector(s)	Brendan McClure, Nick Selvo, Tyler Noll
Client	ConnDOT
Type of Asbestos Survey	Reno/Demo
Additional Analysis for NOB Materials (Calc)	TEM NY NOB 198.4
Date	2019-09-04
General Notes	Bridge constructed entirely of concrete. Graffiti cover up paint on NE corner only paint observed. 0.0 on niton. Paint chip taken.
Overview Photo	

Surveys Performed	Asbestos, XRF, Hazardous Materials Inventory

Asbestos Section

(2), T 1, Black tar in bridge wall, 2

Representative Photos

South bridge wall

Sample Location	South bridge wall
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-09-04
Time	10:24

North bridge wall

Sample Location	North bridge wall
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-09-04
Time	10:25

Material Information

Sampled or Assumed?	Sampled
Material Acronym	T 1
Material Description	Black tar in bridge wall
Is Material a Non-Friable Organically Bound (NOB)	Yes
Homogeneous Area	Bridge walls
Total Approximate Quantity	15 LF
Total Count	(2)
Total Count (number only)	2

(3), PI, 1, Grey fibrous pipe insulation with black tar-like top layer, 3

Representative Photos

East end of bridge

Sample Location	East end of bridge
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-09-04
Time	10:29

East end of bridge

Sample Location	East end of bridge
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-09-04
Time	10:30

East end of bridge

Sample Location	East end of bridge
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-09-04
Time	10:38

Material Information

Sampled or Assumed?	Sampled

Material Acronym	PI, 1
Material Description	Grey fibrous pipe insulation with black tar-like top layer
Is Material a Non-Friable Organically Bound (NOB)	Yes
Homogeneous Area	All along pipe on south side of bridge
Total Approximate Quantity	~250 LF
Total Count	(3)
Total Count (number only)	3

(2), FP, 1, Light grey flu packing, 2

Representative Photos

East end of bridge

Sample Location	East end of bridge
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-09-04
Time	10:26

East end of bridge

Sample Location	East end of bridge
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-09-04
Time	10:26

Material Information

Sampled or Assumed?	Sampled
Material Acronym	FP, 1
Material Description	Light grey flu packing
Is Material a Non-Friable Organically Bound (NOB)	No
Homogeneous Area	East end of bridge at end of pipe

Total Approximate Quantity	~2.5 LF
Total Count	(2)
Total Count (number only)	2

(2), C, 1, White fence caulk, 2

Representative Photos

East end of bridge

Sample Location	East end of bridge
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-09-04
Time	10:53

West side of bridge

Sample Location	West side of bridge
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-09-04
Time	10:41

Material Information

Sampled or Assumed?	Sampled
Material Acronym	C, 1
Material Description	White fence caulk
Is Material a Non-Friable Organically Bound (NOB)	Yes
Homogeneous Area	Under fence posts
Total Approximate Quantity	18 LF
Total Count	(2)
Total Count (number only)	2

(2), T 2, Black sidewalk tar, 2

Representative Photos

North side sidewalk

Sample Location	North side sidewalk
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-09-04
Time	11:00

North side of sidewalk

Sample Location	North side of sidewalk
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-09-04
Time	11:00

Material Information

Sampled or Assumed?	Sampled
Material Acronym	T 2
Material Description	Black sidewalk tar
Is Material a Non-Friable Organically Bound (NOB)	Yes
Homogeneous Area	North side sidewalk
Total Approximate Quantity	20 LF
Total Count	(2)

Total Count (number only)	2

XRF Section

Niton XRF Model No.	24792
XRF Survey Completed	Yes
XRF Data Downloaded	Yes
XRF Shots >1.0 on non-metallic building materials	No
Date Data Downloaded	2019-09-04

HAZMAT Inventory Section

Light Poles

Inventory Area Description	Light Poles

Universal Waste (UW), Electronic Light Ballasts (Circuit Boards)

Description	Universal Waste (UW), Electronic Light Ballasts (Circuit Boards)
Quantity	12

** PLEASE CONSIDER THESE GUIDELINES WHEN ADDING A HAZ ITEM ** 1) When selecting the "HAZMAT Item Description", be sure to check ALL pre-defined options before selecting "Other" and entering a custom option. 2) You only need to enter a "HAZMAT Item Common Name" if the "HAZMAT Item Description" isn't specific enough to sufficiently describe the hazardous material.

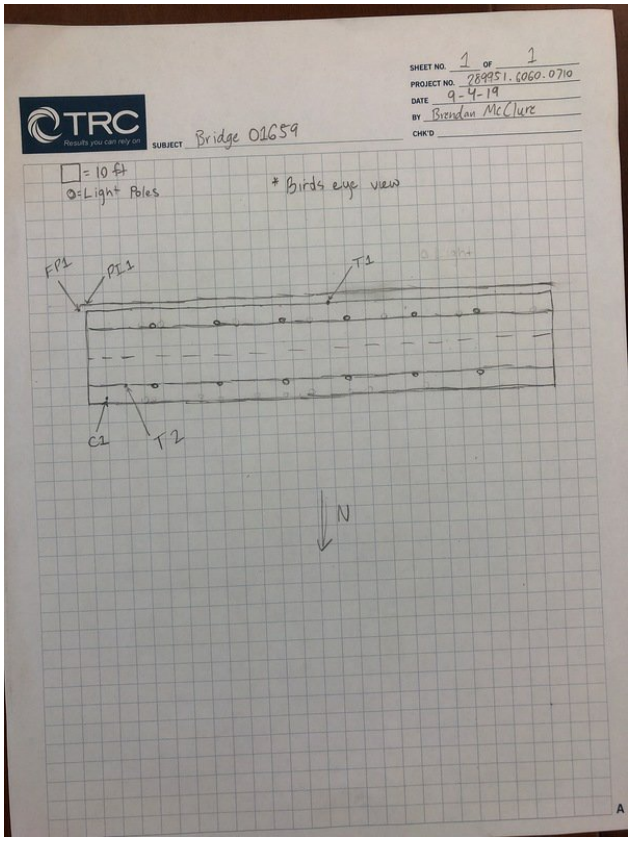
Miscellaneous, LED Lights

Description	Miscellaneous, LED Lights
Quantity	24

** PLEASE CONSIDER THESE GUIDELINES WHEN ADDING A HAZ ITEM ** 1) When selecting the "HAZMAT Item Description", be sure to check ALL pre-defined options before selecting "Other" and entering a custom option. 2) You only need to enter a "HAZMAT Item Common Name" if the "HAZMAT Item Description" isn't specific enough to sufficiently describe the hazardous material.

General Information

Site Sketch Diagrams



Signature

Signed 2019-09-04 17:02:07 UTC

Asbestos Samples Submitted to TRC Lab	Yes
Date Submitted to Lab	2019-09-04
App Name	WinBSI HBM Survey 1.0

Generate Report Documentation

Select one or more documents below to be generated. Once completed in the cloud, they will be sent to the listed email address. Please report any difficulties or errors to Justin Coleman.

What documents should be generated?	Asbestos chain-of-custody
Where should the document(s) be sent?	sarienti@trcsolutions.com
Generate Documents	N/A

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

memorandum

subject: Hazardous/Contaminated Materials Screening
State Project No. 126-174 (P.E.)
Bridge No. 01659
S.R. 712 – Over the Housatonic River
Shelton and Derby

date: December 16, 2016

to Mr. Adam Fox
Transportation Principal Engineer
Environmental Compliance
Bureau of Engineering and
Construction

from Rabih M. Barakat
for Transportation Principal Engineer
Bureau of Engineering and
Construction

Louis D. Bacho

Digitally signed by Louis D. Bacho
DN: C=US, E=louis.bacho@ct.gov, O=CT Department of Transportation, OU=Consultant, CN=Louis D. Bacho
Date: 2016.12.15 15:01:12 -05'00'

The subject project has been initiated for bridge enhancements under a Special State Bonding program. A location map is attached for your use.

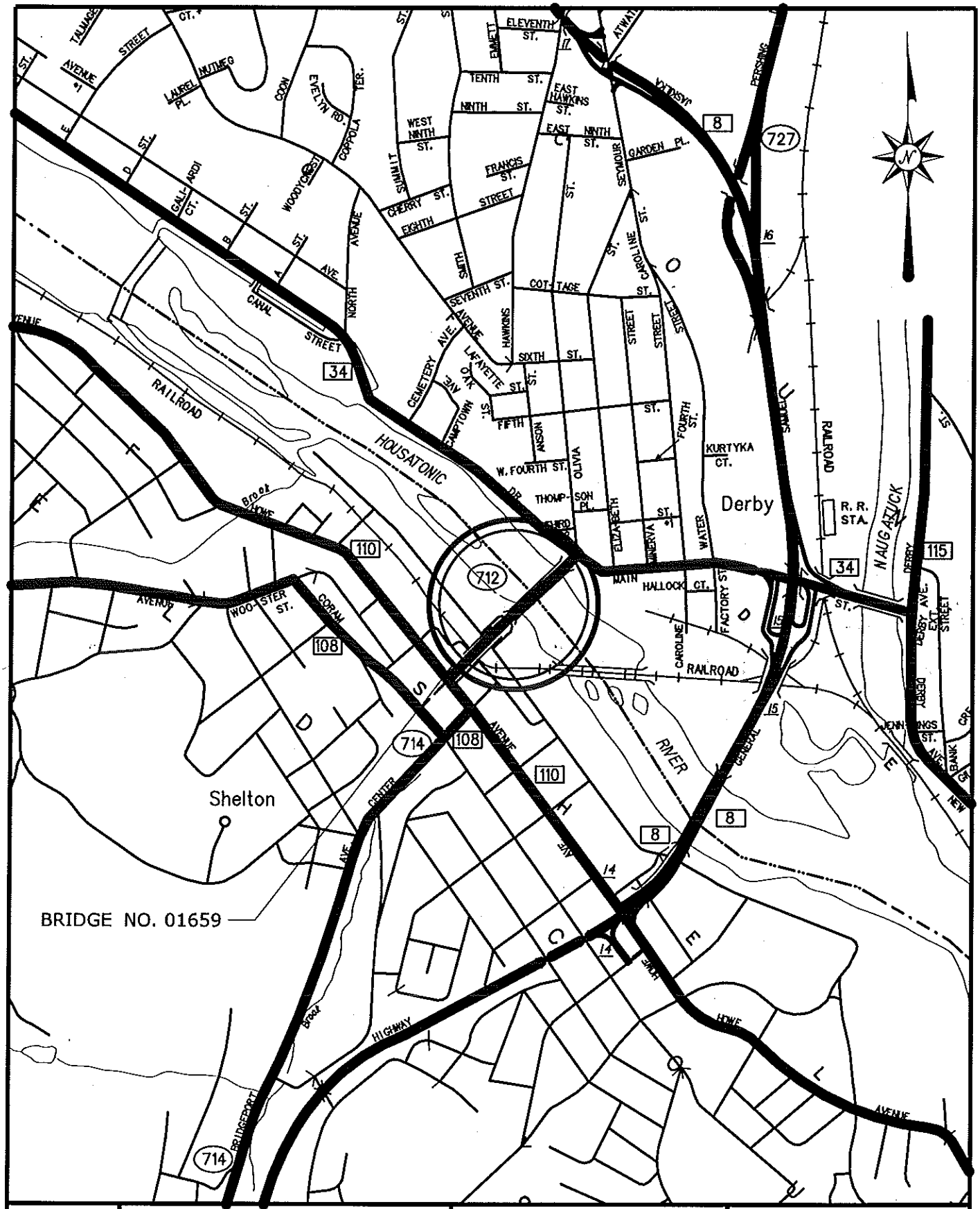
The recommended enhancements include removing the pavement structure and parapets in order to allow for construction of a new cycle and pedestrian paths. This project will also include pavement reconstruction of the two approach roads (Bridge St SE/NE), the replacement of the lighting and upgrade of the drainage systems. Minor structural repairs will also take place.

Please provide this office with the environmental screening results by January 25, 2017. Review time should be charged to the subject State Project Number using the appropriate CORE unit designation.

If you have any questions concerning this matter, please contact Mr. Louis Bacho at 860-594-3212.

Aaron J. Foster/ajf

cc: Theodore H. Nezames – Rabih M. Barakat – Louis D. Bacho – Susan L. Morneault
Nicholas R. Giardina (BL Companies)



BL Companies	S.R. 712 OVER HOUSATONIC RIVER DERBY-SHELTON, CONNECTICUT	LOCATION MAP SCALE: 1' = 1000'	BR. NO.: 01659 PROJECT NO.: 126-174 FIGURE NO.: 01